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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,780	10/15/2001	Chris Halim	05110-014002	4279

7590 07/05/2002

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EXAMINER
RONES, CHARLES

ART UNIT	PAPER NUMBER
2175	

DATE MAILED: 07/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/977,780	HALIM ET AL.	
	Examiner	Art Unit	
	Charles L. Rones	2175	

-- The MAILING DATE of this communication appears on th cover sheet with the correspondence address --

Period f r Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 October 2001* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-28* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Preliminary Amendment

The preliminary amendment filed on October 15, 2001.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4, 6-10, 12, 16, 18-19, & 22-24 are rejected under 35 U.S.C. 103(a) as being upatentable by Clark et al. U.S. Patent 5,666,530 ('Clark') in view of Cohn et al. U.S. Patent 5,448,718 ('Cohn').

I. As to claim 1, Clark discloses:

A. determining whether to send information related to a local update to the local database to the remote computer; See 11:1-67;; 12:5-67;

B. forming a message including information related to a local update of the local database (synch request); See 14:37-67;

C. selecting a path from one or more communication paths coupling the local computer to the remote computer to pass the message to the remote computer; See 3:1-6; 13:14-67; 14:17-28;

D. transmitting data including the message to the remote computer over the selected path; receiving the data at the remote computer; See cols. 13 & 14;

E. processing the message included in the received data and providing the information related to the local update to a remote application executing on the remote computer; See cols. 13 & 14; and

F. updating a remote database coupled to the remote application using the information related to the local update; See cols. 13 & 14.

Clark discloses the claimed invention except for having an identifier of the remote computer and an identifier of a remote application on the remote computer. Cohn teaches that it is known to have an identifier of the remote computer and an identifier of a remote application on the remote computer. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have an identifier of the remote computer and an identifier of a remote application on the remote computer as taught by Cohn, since Cohn states at column 3, lines 30-47 and column 7, lines 61-68 that such a modification would will allow multiple processors not to interfere wiht each others' backup copy processes and protect against exessive demand on storage control unit.

II. As to claim 3, Clark discloses:

A. accepting from the remote application information related to a remote update of the remote database; See cols. 13 & 14;

B. selecting a return path from the one or more communication paths coupling the local computer to the remote computer to transmit the information related to the remote update to the local computer; See cols. 13 & 14;

C. transmitting the information related to the remote update to the message router over the selected return path; See cols. 13 & 14; and

D. updating the local database using the information related to the remote update; See cols. 13 & 14.

III. As to claim 4, Clark discloses:

A. determining whether the local update to the local database should be sent to the remote computer includes accessing a local application coupled to the local database using a first application communication protocol; and wherein providing the information to the remote application uses a second application communication protocol; See cols. 13 & 14.

IV. As to claim 6, Clark discloses:

A. wherein the local database and the remote database include electronic mail messages; See 14:1-67.

V. As to claim 7, Clark discloses:

A. wherein the local database and the remote database include personal calendar information; See 14:1-67.

VI. As to claim 8, Clark discloses:

A. setting configuration data, and wherein selecting the path from the one or more communication paths for transmission to the remote computer includes accessing that configuration data; See cols. 13 & 14.

VII. As to claim 9, Clark discloses:

A. setting configuration data on the remote computer, and wherein selecting the return path from the one or more communication paths for transmission to the local computer includes accessing that configuration data; See cols. 13 & 14.

VIII. As to (amended) claim 10, Clark discloses:

A. transmitting the data including the message to a networked server over a public data network; See col. 2:62-67; cols. 13 & 14;

B. storing the data in a networked database hosted on the networked server; providing the data from the networked database to the remote computer over a wireless communication network; See col. 5: 60-61; cols. 13 & 14;

C. providing the information related to the local update to a remote application executing on the remote computer; See 2:15-39; 3:19-51; and

D. updating the remote database using the information related to the local update; See 3:1-67; 10:1-67.

IX. As to claim 12, Clark discloses:

A. wherein the data is stored in the networked database as electronic mail; See 10:45-67.

X. As to claim 18, Clark discloses:

A. the local database and the networked database include electronic mail messages; See 10:45-67.

XI. As to (amended) claim 19, Clark discloses:

A. sending the message that includes information related to the local update includes sending a message formatted as a request for data using an application protocol, and

receiving the second message that includes the information related to the update of the networked database includes receiving a message formatted as a response to a request using the application protocol; See 9:48-67; 10:1-67; 13:1-67; 14:29-67;

B. whereby communication between the local computer and the remote computer passes through a gateway device which restricts communication to protocols including the application protocol wherein a gateway is deemed to wherein different mail platforms communicate with each other through a common system; See 10:46-67; 14:29-67.

XII. As to claims 16, 22-24 & 27, they are combinations and subcombinations of previously addressed elements and are rejected for their respective reasons as stated above.

XIII. As to claim 28, Clark discloses:

A. accepting a message from another computer including remote update information related to a database update; See 3:7-67; 4:23-67; 11:50-67; 13:1-67;

B. providing the remote update information to an application program for updating a local database stored on the computer; See 3:7-67; 4:23-67; 11:50-67; 13:1-67;

C. accepting local update information related to an update of the local database from the application program; See 3:7-67; 4:23-67; 11:50-67; 13:1-67;

D. determining whether to send the local update information to the other computer; See 3:7-67; 4:23-67; 11:50-67; 13:1-67; and

E. sending the local update information to the other computer; See 3:7-67; 4:23-67; 11:50-67; 13:1-67.

XIV. Claims 1 and 3-28 are rejected under 35 U.S.C. 103 (a) as being unpatentable by Grasso et al. U.S. Patent 5,892,909 ('Grasso') in view of Cohn et al. U.S. Patent 5,448,718 ('Cohn').

XV. As to claim 1, Grasso discloses:

A. determining whether to send information to a local update to the local database to the remote computer; See 10:35-67; 11:1-30;

B. forming a message including information related to a local update of the local database; See 25:1-63;

C. routing the message to the remote application inlcuding selecting a path from one or more communication paths for coupling the local computer to the remote computer over which to pass the message to the remote computer; See 7:15-54; 9:26-67; 10:1-67; 11:1-67; 12:1-19;

D. transmitting data including the message to the remote computer over the selected path; See cols. 11 & 12;

E. receiving the data at the remote computer; See cols. 9-11;

F. processing the message included in the received data and providing the information related to the local update to the remote application executing on the remote computer; See 7:15-67; 8:1-67; and

G. updating a remote database coupled to the remote application using the information related to the local update; See 4:29-64; 9:15-67; 14:1-8.

Grasso discloses the claimed invention except for having an identifier of the remote computer and an identifier of a remote application on the remote computer. Cohn teaches that it is known to have an identifier of the remote computer and an identifier of a remote application on the remote computer. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have an identifier of the remote computer and an identifier of a remote application on the remote computer as taught by Cohn, since Cohn states at column 3, lines 30-47 and column 7, lines 61-68 that such a modification would will allow multiple processors not to interfere wiht each others' backup copy processes and protect against exessive demand on storage control unit.

XVI. As to claim 3, Grasso discloses:

A. accepting from the remote application information related to a remote update of the remote database; See cols. 9-10 & 15-16;

B. selecting a return path from the one or more communication paths coupling the local computer to the remote computer to transmit the information related to the remote update to the local computer; See 12:44-67; 13:1-67;

C. transmitting the information related to the remote update to the message router over the selected return path; See 14:56-67; 16:1-67; and

D. updating the local database using the information related to the remote update; See cols. 9-10 & 15-16.

XVII. As to claim 4, Grasso discloses:

A. determining whether the local update to the local database should be sent to the remote computer includes accessing a local application coupled to the local database using a first application communication protocol; and wherein providing the information to the remote application uses a second application communication protocol; See .11:40-67; 12:44-67; 13:1-67.

XVIII. As to claim 5, Grasso discloses:

A. wherein the first application communication protocol is MAPI and the second application communication protocol is POP; See 7:33-54; 11:40-67; 12:44-67.

XIX. As to claim 6, Grasso discloses:

A. wherein the local database and the remote database include electronic mail messages; See 7:33-54; 11:40-67; 12:44-67; 14:1-8; 17:54-67; 18-1-67.

XX. As to claim 7, Grasso discloses:

A. wherein the local database and the remote database include personal calendar information; See 7:33-54; 11:40-67; 12:44-67; 14:1-8; 17:54-67; 18-1-67.

XXI. As to claim 8, Grasso discloses:

A. setting configuration data, and wherein selecting the path from the one or more communication paths for transmission to the remote computer includes accessing that configuration data; See 7:33-54; 11:40-67; 12:44-67; 14:1-8; 17:54-67; 18-1-67.

XXII. As to claim 9, Grasso discloses:

A. setting configuration data on the remote computer, and wherein selecting the return path from the one or more communication paths for transmission to the local computer includes accessing that configuration data; See 7:33-54; 11:40-67; 12:44-67; 14:1-8; 17:54-67; 18-1-67.

XXIII. As to claim 10, Grasso discloses:

A. forming a message including information related to a local update of the local database; See 10:1-67;

B. transmitting the data to a networked server over a first data network; See cols. 7-8; 12:45-69; 13:1-35; 17:54-67;

C. storing the data in a networked database hosted on the networked server; See cols. 7-8; 12:45-69; 13:1-35; 17:54-67;

D. providing the data from the networked database to the remote computer over a wireless communication network; See 2:1:67; cols. 6-8; 12:45-69; 13:1-35; 17:54-67;

E. providing the information related to the local update to a remote application executing on the remote computer; See 10:50-67; 11:1-67; and

F. updating the remote database using the information related to the local update; See 10:50-67; 11:1-67.

XXIV. As to claim 11, Grasso discloses:

A. wherein the public data network is the Internet; See cols. 11-12; 13:1-54.

XXV. As to claim 12, Grasso discloses:

A. wherein the data is stored in the networked database as electronic mail; See cols 11-12; 13:1-54; 14:1-50; 17:54-67; 25:1-63.

XXVI. As to claim 13, Grasso discloses:

A. encrypting the message prior to transmission to the networked server wherein the message is deemed to be encrypted into a fax code; See 12:45-67; 13:1-15; 32:26-40; 42:18-26; and

B. decrypting the message after receipt of the message at the remote computer wherein the fax code is deemed to decrypt the message; See 12:45-67; 13:1-15; 32:26-40.

XXVII. As to claim 14, Grasso discloses:

A. establishing the selected path, wherein the selected path passes through a communication interface; See 12:45-67; 13:1-26; 29:10-67; and

B. buffering the data in the communication interface until the selected communication path is established; See 17:10-18; 29:10-67.

XXVIII. As to claim 15, Grasso discloses:

A. combining data for a plurality of messages for transmission to the remote computer as a single transmission packet wherein it is deemed to be a single packet for small data; See 26:10-60; 30:16-29.

XXIX. As to claim 17, Grasso discloses:

A. the public data network is the Internet; See 11:1-67; 12:1-67.

XXX. As to claim 18, Grasso discloses:

A. the local database and the networked database include electronic mail messages; See 14:1-67; 16:1-67; 17:49-67.

XXXI. As to (amended) claim 19, Grasso discloses:

A. sending the message that includes information related to the local update includes sending a message formatted as a request for data using an application protocol, and

receiving the second message that includes the information related to the update of the networked database includes receiving a message formatted as a response to a request using the application protocol; See cols. 13-14; 16:1-67; 17:49-67;

B. whereby communication between the local computer and the remote computer passes through a gateway device which restricts communication to protocols including the application protocol; See cols. 11-12; 26:28-60; 29:11-45.

XXXII. As to claim 20, Grasso discloses:

A. wherein the application protocol is http and the messages are formatted using HTML; See cols. 11-12; 26:28-60; 29:11-45.

XXXIII. As to (amended) claim 21, Grasso discloses:

A. a local database; See cols. 11-12; 26:28-60; 29:11-45;

B. an agent for accessing information related to a local update of the local database; See cols. 11-12; 26:28-60; 29:11-45; and

C. forming a message including that information for transmission to a remote computer; See cols. 11-12; 26:28-60; 29:11-45;

D. a message router for accepting the message from the agent, and for selecting a path from one or more communication paths coupling the message router and the remote computer to pass the message to the remote computer; See cols. 11-12; 26:28-60; 29:11-45; and

E. a local communication interface for accepting data including the message and transmitting the data to the remote computer over the selected path; See cols. 11-12; 26:28-60; 29:11-45.

XXXIV. As to claim 25, Grasso discloses:

A. wherein the remote communication interface includes a hook module that accepts the message including the information related to the local update and provides the information to the remote application over an application program interface; See 11:40-67; 12:1-55.

XXXV. As to claim 26, Grasso discloses:

A. a networked server for receiving the data transmitted from the local communication interface, including a database for storing that data prior to communicating with the remote
computer; See cols. 13 & 14.

XXXVI. As to claim 27, Grasso discloses:

A. assessing information related to an update of a local database; See 7:1-67;;

B. determining whether to forward the information to a remote computer; See 7:55-67; cols. 8-9;

C. selecting a communication path for passing the information to the remote computer; See cols. 8-9; 11:54-67; 12:1-67;Cohn: 3:30-54.

D. forming a message including the information; See 15:49-67; 17:1-40; 18:24-64; and

E. sending the message on the selected communication path to the remote computer; See 13:15-67; 18:1-67.

XXXVII. As to claim 28, Grasso discloses:

A. accepting a message from another computer including remote update information related to a database update; See Fig. 1C;

B. providing the remote update information to an application program for updating a local database stored on the computer; See cols. 25 & 26;

C. accepting local update information related to an update of the local database from the application program; See 13:1-67; 14:1-8; Fig. 1C;

D. determining whether to send the local update information to the other computer; See Fig. 1C; cols. 9-10; and

E. sending the local update information to the other computer; See cols. 9-10; Fig. 1C.

XXXVIII. As to claims 16 & 22-24, they are combinations and subcombinations of previously addressed elements and are rejected for their respective reasons as stated above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles L. Rones whose telephone number is 703-306-3030. The examiner can normally be reached on Monday-Thursday 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3800.

Charles Rones

Charles L. Rones
Primary Examiner
Art Unit 2175

June 29, 2002